

P30321.A02



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Ertugrul ARPAC et al.

**Confirmation No.: 2453**

Group Art Unit: 1752

Appln. No. : 10/589,986

Examiner: Unassigned

I.A. Filed : February 22, 2005

For : ABRASION-RESISTANT AND ALKALI-RESISTANT COATINGS OR  
MOULDED BODIES HAVING A LOW-ENERGY SURFACE

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
U.S. Patent and Trademark Office  
Customer Service Window, Mail Stop Amendment  
Randolph Building  
401 Dulany Street  
Alexandria, VA 22314

Sir:

Pursuant to 37 C.F.R. § 1.56 and 37 C.F.R. §§ 1.97-1.98, Applicants hereby direct the Examiner's attention to the following documents cited in the International Search Report for International Application PCT/EP2005/001841, of which the above-referenced application is a National Stage:

- (1) WO 97/46285 A, December 11, 1997;
- (2) U.S. Patent No. 5,744,549 (LUTZ), April 28, 1998; Applicants note that this document is a U.S. family member of document (1);
- (3) EP 0 812 891 A2, December 17, 1997;
- (4) U.S. Patent No. 6,071,564 (MARCHETTI et al.), June 6, 2000 Applicants note that this document is a U.S. family member of document (3);
- (5) EP 0 848 023 A1, June 17, 1998; and

- (6) U.S. Patent No. 5,747,629 (YESKE et al.), May 5, 1998; Applicants note that this document is a family member of document (5).

Applicants further direct the attention of the Examiner to the following documents which are cited and discussed in the specification of the present application:

- (7) WO 92/21729 A1, December 10, 1992; Applicants note that this document is cited and discussed in the specification of the present application, beginning on page 1, line 24;
- (8) EP 0 587 667 B1, March 23, 1994; Applicants note that this document is cited and discussed in the specification of the present application, beginning on page 1, line 24; Applicants note that this document is a family member of document (7);
- (9) U.S. Patent No. 5,644,014 (SCHMIDT et al.), July 1, 1997; Applicants note that this document is a family member of documents (7) and (8);
- (10) DE 42 12 633 A1, October 21, 1993; and is cited and discussed in the specification of the present application, beginning on page 11, line 19;
- (11) WO 93/21127 A1, October 28, 1993; Applicants note that this document is cited and discussed in the specification of the present application on page 11, line 36; Applicants note that this document is a family member of document (10);
- (12) U.S. Patent No. 5,593,781 (NASS et al.), January 14, 1997; Applicants note that this document is a family member of documents (10) and (11);
- (13) WO 96/31572 A1, October 10, 1996; Applicants note that this document is cited and discussed in the specification of the present application on page 11, line 37;

- (14) U.S. Patent No. 5,910,522 (SCHMIDT et al.), June 8, 1999; Applicants note that this document is a family member of document (13);
- (15) WO 98/51747 A1, November 19, 1998; Applicants note that this document is cited and discussed in the specification of the present application, beginning on page 14, line 19;
- (16) DE 197 46 885 A1, June 24, 1999; Applicants note that this document is cited and discussed in the specification of the present application, beginning on page 14, line 20; Applicants note that this document is a family member of document (15); and
- (17) U.S. Patent No. 6,291,070 B1 (ARPAC et al.), September 18, 2001; Applicants note that this document is a family member of documents (15) and (16).

Applicants further direct the attention of the Examiner to the following commonly assigned U.S. Patent:

- (18) U.S. Patent No. 6,620,514 B1 (ARPAC et al.), September 16, 2003; Applicants note that this document is the National Stage of PCT/EP99/02396 which published as WO 99/52964 on October 21, 1999.

Furthermore, Applicants direct the attention of the Examiner to the following co-pending and commonly assigned U.S. Patent Applications:

- (19) U.S. Patent Application Publication No. 2005/0191505 A1 (AKARSU et al.), September 1, 2005; Applicants note that this document is a Continuation of PCT/EP03/07426, which published as WO 2004/005577 A2 on January 15, 2004; and

(20) U.S. Patent Application 10/589,985 (ARPAC et al.), filed on January 7, 2005 and entitled, "Amphiphilic Nanoparticles"; Applicants note that this document is the National Stage of PCT/EP05/02023, which published as WO 2005/082514 on September 9, 2005.

Copies of the above-listed documents (with the exception of U.S. patents and U.S. patent applications/publications) are enclosed together with a completed copy of the Form PTO-1449 listing these documents (the International Search Report for International Application PCT/EP2005/001841 was submitted when the present application was filed on August 18, 2006). Accordingly, the Examiner is requested to consider these documents and to indicate such consideration by returning a signed and initialed copy of the Form PTO-1449 with the next official communication.

Further to 37 C.F.R. §1.98 (a)(2)(ii) and to the U.S. Patent and Trademark Office's decision to waive the requirement under 37 C.F.R. §1.98 (a)(2)(iii) if a U.S. patent application was filed after June 30, 2003, copies of the U.S. patents and patent applications cited above are not enclosed herewith. However, if any copies are needed, the Examiner is respectfully requested to contact the undersigned.

Applicants note that an Office Action on the merits has not yet issued in the instant application, and thus, no fee is necessary to ensure consideration of this statement. However, if an Office Action has issued and is crossing in the mail with this statement, the Patent and

P30321.A02

Trademark Office is hereby authorized to charge Deposit Account No. 19-0089 any fee necessary to ensure consideration of the submitted materials.

If there should be any questions, the Examiner is invited to contact the undersigned at the telephone number listed below.

Respectfully submitted,  
Ertugrul ARPAC et al.

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FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P30321Application No.  
10/589,986INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT  
(Use several sheets if necessary)O I P E  
APR 04 2007  
P A T E N T  
T R A D E M A R K  
O F F I C E  
I M P A C TApplicant  
Ertugrul ARPAC et al.Filing Date  
I.A. Filed February 22, 2005Group  
1752

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		5 7 4 4 5 4 9	04/28/98	LUTZ			
		6 0 7 1 5 6 4	06/06/00	MARCHETTI et al.			
		5 7 4 7 6 2 9	05/05/98	YESKE et al.			
		5 6 4 4 0 1 4	07/01/97	SCHMIDT et al.			
		5 5 9 3 7 8 1	01/14/97	NASS et al.			
		5 9 1 0 5 2 2	06/08/99	SCHMIDT et al.			
		6 2 9 1 0 7 0	09/18/01	ARPAC et al.			
		6 6 2 0 5 1 4	09/16/03	ARPAC et al.			
2005 /		0 1 9 1 5 0 5	09/01/05	AKARSU et al.			

## FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	9	7 / 4 6 2 8 5	12/11/97	W.I.P.O.			
		0 8 1 2 8 9 1	12/17/97	E.P.O.			
		0 8 4 8 0 2 3	06/17/98	E.P.O.			
	9	2 / 2 1 7 2 9	12/10/92	W.I.P.O.			
		0 5 8 7 6 6 7	03/23/94	E.P.O.			
		4 2 1 2 6 3 3	10/21/93	GERMANY			
	9	3 / 2 1 1 2 7	10/28/93	W.I.P.O.			
	9	6 / 3 1 5 7 2	10/10/96	W.I.P.O.			
	9	8 / 5 1 7 4 7	11/19/98	W.I.P.O.			
	1	9 7 4 6 8 8 5	06/24/99	GERMANY			

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		U.S. Patent Application 10/589,985 (ARPAC et al.), filed on January 7, 2005 and entitled, "Amphiphilic Nanoparticles".

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.